becomes diinted; the enpillary vessels are filled with blood; the heart's contractions are at first increased, later reduced in frequency, they are arrested during the tetanic paroxysms. The author attributes the principal effects of coffee to its action on the nervous system, not to its influence on the tissne-change. The nervous system being rendered more susceptible, the same exciting cause produces a grenter effect. Coffee thus refreshes, Voit thinks, the futigued body, renders the lassitude less perceptible, and in this manner enables as to endure prolonged exertion. The experiments on the influence of bodily exercise (tread-wheel) on the tissue-change in the well-known dog lead to the unexpected result, that the excretion of area was not at all, or only very slightly, increased by hodily labour. Voit infers, therefore, that muscular netion does not cause increased decomposition of albuminous substances, while it is necompanied with a greater consumption of fat. As the decomposition of illuminar is not the source of the production of force, connected with muscular contraction, Voit is inclined to look for it in the development of electricity.—Brit. and For. Med. and Sary. Journa, July, 1862.

3. Colorific and Vascular Nerves of the Sympathetic .- M. Claune Bennaen, in a paper, the first of a series to be presented to the Academy of Sciences, endeavours to demonstrate that the vascular and calorific nerves are special nerves to be topographically and physiologically distinguished from the ordinary motor nerves. Having opened the spinal caual in dogs, he divided as they left the cord all the origins of the sucro-lumbar plexus (sometimes on one side and sometimes on the other) which supplies sensation and motion to the binder extremity. The limb became completely paralyzed, but no calorification or vasenlarization was observed, the temperature on this side often, indeed, diminishing. When only the posterior and anterior roots were divided, corresponding abolition of sensation or of motion occurred; but in neither case was there any vasenlarization or change of temperature in the limb. In a dog in which complete puralysis of the left hind leg was produced by division of the origins of the sacro-lumbar plexus, the sciatic nerve was afterwards divided. Its origin having been already divided, the subsequent section was not felt, and added nothing to the puralysis of motion and sensation that already existed; but vascular and calorific phenomena immediately followed, the temperature of the limb steadily rising until it was from 60 to 80 C. higher than that of the opposite one, and so continued until the death of the mimal next duy.

The experiment was repeated a great many times with exuelly the same result. It is evident, therefore, that nerves influencing these functions must have hecome adjoined to the motor and sensitive nerves in the short interval between their issae from the cannal and the point where the seiatic was divided. It is only the sympathetic, placed on the sides of the spinal column, which could thus hecome joined to these nerves; and M. Bernard in nnother experiment, destroyed the ganglion of the sympathetic and its filaments, which lay upon the side of the fifth and sixth lumbar vertebres, leaving the nerves of the snero-lumbar plexus entirely intact. An excess of temperature in the limb was immediately observed, and during the three days the animal lived, the paw of the side operated upon was from 50 to 80 hotter than the other—no paralysis whatever being present. The conclusion to be drawn is that there are three distinct descriptions of nervous influence—1. The sensitive, due to the posterior roots of the snero-lumbar plexus; 2. The motor or muscular, helonging to the naterior roots; and 3. The vascular and calorific, due to the sympathetic—Med. Times and Gaz.,

Aug. 23, 1862, from Gaz. des Hop., No. 94.

MATERIA MEDICA AND PHARMACY.

Is Alcohol Food?—Dr. Thomas Inman, of Liverpool, read nn interesting
paper on this subject before the British Medical Association at its late meeting
in London.

The nnthor first devoted a few words to definition, stating that hy "nlcohol"

he iutended to comprise those liquors in common use which owed their effects to alcobel; and hy "food," anything which supplied material by which the body was nourished. He then adverted to the fact that a saccharine material was found in the hlood of all mammals when it entered the langs, and to the strong probability that a fermentative process took place in those organs, with the extrication of carhonic acid, the actual source of which in the hlood had not yet been absolutely ascertained. The close atomic composition of starch and sugar and nleohol pilus carhonic acid was pointed ont; also the fact that the starches, &c., and alcohol were often tolerated by delicate stomachs when other ingredicuts

were not tolerated. The author then shortly summarized the effects af ordinary food, whether animal or vegetable, when taken with water for a heverage and in proper quantity, and compared these with the results following a temperate draught of ale or porter; showing that there was no real distinction between the one and the other, except that the liquid sooner entered the circulation and sooner left it. It was no argument against the use of heef that a man who had dined on it one day wanted a dinner the day after; nor against heer, that a person who had taken one glass was ready for another in a few honrs. The prejudicial effects of excessive eating were adverted to, and after mentioning a few instances where guzzling had proved fatal, others were alluded to in which a prolonged lethargy or an apoplectic condition had been induced. The use of beef tea sometimes produced coavulsions in infants, but this result did not vitiate the dietetic value of meat. The physical condition of excessive caters was then spoken of, and it was shown that some were thin, others stout; and that as regarded the moral condition of those who, from choice, religions helief, or necessity, abstained from the use of alcoholic beverages, they were to the full as had as those who indulged ia drink. Canuibals were tectotallers, and neither Nana nor Tippoo was a drankarl. On inquiring into the hahits of total abstainers and those who drank ale, wise, &e., the author had ascertained that the former habitually ate much more than the latter; and one of three deductions was necessary: either the former ate too much, the latter too little, or the drink of the one was equivalent to a portion of the food of the other. To ascertain which of these alternatives was nearest the truth Dr. Iuman had experimented in his own persou, and had made numerous observatious through the assistance of friends. The conclusion he came to was that which had been previously insisted on hy Mr. Lewes and others-namely, that alcohol replaced a certain amount of food; and "as things which are equal to the same are equal to one another," he inferred that if a glass of ale was equal to a slice of mutten in its satisfying effect, and that mutten was food, it must follow that ale is food. To say that persons could not live on ale, was of no value as un argument; for no one could live on biscuit alone, though brend was called the staff of life. To ascertain how far it was possible for any one to live ou alcohol aloue, he had for many years heen seeking information respecting drankards, and he mentioned two-one on the authority of the individual herself (a surgeon's widow), and the other on the authority of the medical attendant, where patients had subsisted for a prolonged period on hrandy and water alone. He mentioned others on the authority of other medical friends, and two which he had himself heen conversant with. He comhated the idea of the probability of imposture, inasmneh as in all these cases solid food was loathed excessively, and was generally rejected by the stomach. He then mentioned some cases of children that he had attended, in whom the appetite had failed entirely, where food which was administered by force had been vomited, yet in these alcohol in one form or other gave the support which other food did not, and gradually restored the appetite to its normal state. He noticed too, that infants at the breast, when ill, would digest brandy and water when they would reject all else. The advantageous influence of this fluid was apparent even if it were administered in enemata.

A definite course of induction, irrespective of chemical theory, having ended in the conclusion that alcoholic drinks were strictly alimentary, he shortly referred to the statements which were relied npou to demonstrate the contrary. If alcohol, he said, passed out of the system unchanged, so did water; yet water was absolutely necessary to life. But there was no proof that all the alcohol

imhibed in n long symposinm ever left the hody. He inferred that if it did pass out of the lungs in vapour as largely as was assumed, a party of spirit drinkers would make the atmosphere of n closed room explosive; and he recalted the statement of Pereira, that some northern race had foand that two or three people in succession might keep np intoxication with "lotiam temalentem" by drinking the nrine of the first eater; yet none had discovered that the nrinal of a drankard contained anything equal to gin. But certain foods, as oatmenl, hran, potatoes, oats, &c., were not wholly retained in the system, yet they were alimentary.

Dr. Imma then combated the idea that alcohol was n mere stimulant, by con-

Dr. Imman then combated the idea that accord was a mere stimulant, by contrasting it with turpentine, cantharides, ginger, cayenne, iodide of potassium, and other drugs, which were stimulants to every part of the body to which they were applied. He argued that alcohol could not simply be a conservator of tissue; for n glass of ale after a long walk would induce plentiful perspiration, and a glass of whisky or gif and wnter acted with most people as a powerful diaretic. Nor could we conclude that it assisted in disintegrating the tissues; for if it did, the use of ate, wine, or spirit mast then be antagonistic or mutidotal to food, and the winchibber mast necessarily require more food than tho tecto-

talter, whose tissues were not disintegrated by artificial means.

He then summed up his conclusions thus:—

1. Nature has provided in the salivary glands, the liver, and the lungs of every mammal m apparatus for converting all food, especially farinaceous, indicated is, and we have no evidence that such conversion does not take place.

2. One form of alcohol or another is available for the support of life, and for

restoration to health when no ordinary food can be or is digested.

3. Alcohol, after being taken, is incorporated with the blood, passes into the various tissues, and ultimately disappears, a small portion only passing away in the breath. We can say no more of bread, potatoes, or oatmeal portige, a small portion of each of which passes out of the body with the feees.

4. Åleohol, in the form of ale, porter, wine. &c., relieves hanger and quenches thirst simultaneously, and with a completeness that is not equalted by water, infasion of gentian, cayenne pepper, or by turpentine—i. e., it does not act as

water simply, or as a stimulant alone.

5. Wine, beer, &c., satisfy the appetite when taken alone, and act for the time like any solid food would do.

6. When alcohol is mingled with other food, a less amount of the latter suffices

for the wants of the system than if water had been used as the drink.
7. The various forms in which alcohol is taken have as marked and specific

effects as have animal and vegetable articles of diet.

8. Individuals have sabsisted wholly upon one or other of the various forms of alcohol in common ase for periods of great length; and us it is ittogical to conclade that they mast have lived on nir, witbout food, or on flies like chancleons, the conclasion is irresistible.

What that conclusion is, it might he left for every thinking man to decide.—

Lancet, August 16, 1862.

5. Rennet Wine.—Dr. Gro. ELLs states (Dublin Med. Press, July 16, 1862) that about two years since, having failed to obtain benefit from the preparation called pepsin, he had recourse to the direct preparation of n solution of gastrie jnice from the calf's stomach, and with the most satisfactory results. His mode of preparing is as follows: "Take the stomach, or remet hug as it is called, of a calf fresh from the hatcher; cat off ahout three inches of the apper or cardiac extremity, which portion, as it contains fewer glandalar follicles, may he thrown away; slit up the stomach longitadinally; wipe it gently with a dry napkin, taking care to remove as little of the elean macns as possible; then eat it into small pieces (the smaller the hetter), and pat all into a common wine bottle; fill ap the bottle with good sherry, and let it remain corked for three weeks. At the end of this time it is fit for nes.

"Dose.—One teaspoonfal in n wineglassful of water immediately after meals. "Test of quality.—One teaspoonful will solidify, to the consistency of blanc-

mange, in from one to two minutes, a enp of milk (about eight onaces) at the temperature of 100° Fahr.

"In this action on the ensein of the milk, it may be said that the wine itself might have some effect. This, however, cannot be the case, as wine will not solidify milk, and it will only curdle it at a much higher temperature, and in

larger proportion."

A single desc of this preparation, which Dr. E. ealls rennet wine, given daily after dinner, will, he says, "be found quite sufficient to act speedily and effectively, without other treatment, in the common run of cases of functional disorder of the stomach. It is not, perhaps, easy to explain the operation of this small quantity when we consider the large supply of the gastric secretion required for the thorough digestion of an ordinary meal. The action is probably due to those indirect chemieni chunges called catalytic transformations, which some organic substances, by their mere presence and contact, induce in each other, and in other proximate principles. Thus the conversion of a small portion of food in the stomach into healthy albuminose by this small quantity of sound gastrie juice may induce the same healthy action throughout the stomach contents during the entire process of stomach digestion. It is at least equally difficult to explain the action and rapid extension of ferments generally in their appropriate solutions. I have often heen forcibly struck by the magical effect of this small dose in removing offensive odour from the breath of young persons -a distressing symptom sometimes aggravated rather than relieved by pargative medicine; and I may also mention that in one of these cases cod-liver oil was easily tulerated afterwards though never before."

Preparation of Oxygenated Water, and its Therapeutical Use.—Dr. Ozanan gives the name of oxygenated water to water which is distilled and afterwards charged with oxygen under the influence of high pressure. Tho experiments he has made have led him to estublish three modes of operation hy this new medicine. 1. It improves the condition of the blood in cases where that fluid is impaired or deficient, as in dyspnæa, asthma, slow asphyxia, cyanosis, diseases of the heart, hemorrhoids, and hemorrhoidal visceral congestion. 2. It possesses an oxidizing or metamorphic action in cases where the organic products are arrested in their development, as happens in glycosuria, gout, the uric and oxalic gravel, and perhaps in serofula. 3. It exerts an exciting and regulating action on the hrain and the thyroid gland, and hence its use in goitre and eretinism. If, in fact, snow-water taken as drink gradually produces these morbid conditions, it is because it is entirely deprived of vital air. On the other hand, oxygenated water, as well as the inhalation of gaseoas.oxygen, produces no results in bemicrania, and unfavourable ones in eases of inflammatory disease. Thus, in croup, the oxygen temporarily tranquillizes the dyspnoa, but it increases the fever. In the treatment of ulcerated cancer the oxygenated water revives pretty well the powers of the patient, and the wounds assume n more vivid and rosy colour, but they do not beal; and if the surfaces are hathed with rags steeped in oxygenated water, even when very slightly charged, the aleer is soon observed to become gangrenous on the surface. Oxygenated water is perfectly limpid and pare, and the gas is discngaged in the form of very fine hubbles. Having little taste, it resembles in this respect water which is deprived of air; and, like the latter, it is a little heavy for the stomach .- B. and F. Med.-Chir. Rev., July, 1862, from Compte Rendu de l'Acad. des Sc., November, 1861.

7. Medical Properties of the Wild Thyme (Thymus Serpillum) and its Use in Spasmodic Cough.—M. Joser states, that hy the simple administration of an infusion of wild thyme, slightly sweetened and mixed with gam, he has observed the improvement and even the eare, as if hy enchantment, of cases of hooping-cough, taken indifferently at all the periods of the disease. The same was the ease in stridulous sore throat, and in convulsive and catarrhal coaghs. In the worst cases of hooping-cough the pathognomonic paroxysms, although they did not entirely disappear at the end of a few days, became so mach modified in their character, that the disease resolved itself into a case of simple bronchitis, which was easily treated. These remarkable cures, so rapidly effected, and obtained only by the administration of wild thyme, have led M. Joset to look apon this plant as a sovereign remedy, and in some degree a specific one, in the affections

of the air-passages. The employment of this plant is not a novelty, for it was formerly recommended very extensively in the treatment of obstinate coughs. and it enters into the formation of some popular powders and syrups. M. Joset advises it to be given in the form of a concentrated infusion, slightly sweetened, to be taken in any quantity which the natient can drink, and until the desired effect is produced. The favourable result has generally ensued at the end of a very few days .- B. and F. Med . Chir arg. Review, July, 1862, from Revue de Thérap., February, 1862.

8. Chemistry and Properties of the Cytisus Laburnum.-Dr. T. S. GRAY publishes (Edinb. Med. Journ., May, 1862) an elaborate investigation on this

subject. The following are his conclusions:-

"1. That the erade drug has no irritant properties, and that the sickness and vomiting which it produces when administered in large doses are due to some netion on the nervous system.

"2. That these disagreeable symptoms may be, to a certain extent, avoided

by administering it in small doses.

"3. That it is not, as is generally supposed, a purgative when administered in small doses.

"4. That in small doses it has useful therapentic properties.

"5. That the activity of the drug is owing to the presence of three vegetable principles, and not of one, as stated by MM. Chevullier and Lassaigne.

"6. That the principles, when carefully separated, have valuable narcotic and

stomachic properties.

"7. That they have not the tendency of the crude drag to produce sickness and vomiting, unless when given in very large doses.

"8. That these principles are yielded in such quantity by the laharnam tree that they might with advantage be introduced into the pharmacopæia.

"9. That the principles are yielded by all parts of the tree, but in largest

quantity by the bark and seeds. "10. That the administration of charcoal will be found useful in the treatment of poisoning by labaruum."

9. Iodide and Oxyiodide of Antimony and their Therapeutic Action .- Dr. VAN DEN CONPUT has employed in his practice for more than a year the different compounds of iodine with antimony, and the oxyiodide in particular has yielded such remarkable results that he coasiders it to be one of the most active of the antimonial preparations. The iodide of antimony is obtained by carefully heating in a glass retort one equivalent of powdered metallic antimony with three of iodine. The mixture soon fuses in the form of a thick liquid of a deep brownishred colonr, which is the iodide of antimony; and on cooling it solidifies into a mass which has a metallic fracture, and furnishes a powder of a brick-red colonr. If great heat is employed, the iodide is volatilized without decomposition, and is condensed in the form of shining translacent scales. The reaction takes place with the disengagement of hent, and may lead to an explosion if too large a quantity is operated upon at one time, and therefore it is better to add the metallic antimony gradually to the iodine. The iodide of antimony, when in contact with water, is decomposed in the same manner as the chloride, into soluble hydriodic acid and a pulverulent yellow precipitate formed of hydrate of oxide and iodide of antimony, analogous to the powder of Algaroth. Alcohol also decomposes it hy removing iodine. The oxylodide of antimony is the only chemical form in which the combination of iodine and natimony can be conveniently used for internal administration, since by the contact with the liquids of the digestive canal the iodide of antimony is decomposed, as it is in water, into insoluble oxyiodide of antimony and hydriodic neid. The oxyiodico of antimony may consequently he obtained by rubbing up iodide of antimony with water, and thus decomposing it into hydriodic acid and oxylodide of antimony of a bright yellow colour; but it is better to prepare this compound by adding an acid solution of chloride of antimony to a solution of iodide of potassinm. A precipitate is immediately formed of a heantiful lemon-yellow colonr, which after a few minutes changes to an orange yellow. When the decomposition is complete, the precipitate is collected on a filter, washed, and dried. It is decomposed by most of the acids; hydrochloric acid dissolves it, setting the iodine free; and castic alkalies also change it hy combining with the iodine. When exposed to heat, it is resolved into antimonions acid and iodide of antimony, which is volatilized.

The researches of Dr. Van den Corpat have convinced him that the iodide of antimoay is chiefly adapted for external application as a revulsive. The irritating properties of this salt resemble those of tartarized antimony; while the oxviodide, corresponding in its composition to Kermes' mineral, produces internally an netion analogous to that of the last-named preparation, although its special effects are much more powerfal. The oxylodide is, in fact, n drag of great efficacy, being at the same time an expectorant and a powerful alterative. When saspended in a macilaginous vehicle, in the dose of from 5 to 25 centigrammes (a centigramme is .1543 of a grain), it frequently excites at first massea and sometimes vomitiag, at other times it causes frequent and copions stools. The effects may be easily moderated by the addition of opiates or some other narcotic agent which is capable of deadening the sasceptibility of the stomach. Tolerance appears to be established more readily, as in the case of tartarized antimony, by doses raised from 20 to 50 or even 70 centigrammes in twenty-foar hoars. In general, when taken in such doses, the drag excites at first a great diaphoresis, soon followed by diminution and considerable depression of the palse. The number of inspirations is diminished in frequency, and this effect is accompanied by extreme muscular weakness. The oxylodide of antimony is particularly serviceable in inflammation of the parenchyma of the lungs, and especially in the second stage of pneamonia; also in the treatment of subaente broachitis and of cedema of the langs. Its alterative and diaphoretic properties are also manifest in the treatment of acute rheamatic affections, as well as in certain inflammatory diseases of the heart. As to the iodide of antimony, its employment must be limited to the outside of the body. When applied to the skin, in the form of plaster or ointment, it produces an energetic revalsion, hy cansing on the sarface a pustular eruption similar to that produced by tartarized antimoay. But it has this advantage over the latter, that, independently of its local derivntive action, it operates hesides on the organism in a general manner hy giving up n part of its iodine, which is then either directly absorbed, or hy heing vaporized by the heat of the hody, surrounds the patient with un iodized atmosphere. - B. and F. Med. Chirurg. Rev., July, 1862.

10. Professor Polli on Sulphites .- A new series of salts, the sulphites, hisalphites, and hyposulphites of potash, soda, lime, and magnesia, which have hitherto heen known only hy the chemist, hleacher, and photographer, has of late heen admitted into our materia medica; and as they are not, like Dr. Charchill's hypophosphites, recommended as specifies against one special disease, hut as asefal remedies for a great variety of morbid conditions, nente as well as chronic, local as well as coastitational, they are likely to fulfil at least part of their promises, and deserve the more to he thoroughly tried, as they can he administered even in large doses without any danger to the system. Some of the hyposulphites have already been tried in France; but the sulphites are, as far as I am. aware, quite new in medicine. Their netive principle is, in all prohability, salphnrons acid, and its modus agendi is explained by an alleged decomposition of the salt, the subsequent change of sulpharons acid into salpharic neid at the expease of the blood or the tissues; and the final formation of sulphates, which can always be traced in the nrine, ahoat twelve hours or even sooner after the administration of the drug. Whether the action of these salts, or of the sulpharons acid they convey, he called antiseptic, or antifermentative, or disinfectpanrons acta they convey, he cance antespet, or and in likely to have alterating effects, and the results of therapentical experiments, as far as they are extant, have confirmed this à priori sapposition. The following is the experience of Professor Polli concerning these new remedies:-

1. The sniphite of soda is solnhie in water, and of an unpleasant taste; dose it to hij per diem. A solntion of one to ten grains may he used for lotions.

The hisnlphate of sodo is also solable, hat its taste is so hod that it should only he used externally, dissolved in tea parts of water.

The hyposalphite of soda is soluble, and of tolerable taste. Dose gr. x to Aii

per diem.

2. The snlphite, hisalphite, and hyposnlphite of potash ore all soluble; hat only the last-mentioned should be administered internally, in doses varying from gr. v to 3j per diem.

3. The sulphite of magnesia is the most solable of all sulphites, the richest in salphurous ocid, and the least unpleasant to the taste. 5ss to 3ij may he given

per diem, in tea grain doses.

The bisalphite and hyposalphite would be equally saitable for internal use. but ore hetter dispeased with, as they ore, by air and moisture, rapidly changed

into salphite of magnesia.

4. The sulphite of lime requires 800 parts of water for solution, while the hisalphite and hyposulphite ore easily solable. These three salts have been given in doses of only gr. iij to gr. yj per diem. Signor Polli recommends them in the purulent stage of consumption, where they are, occording to him, opt to check the phsorption of parulent matter and to favour the eientrization of vomicæ. This seems n kind of ex cathedra orgument, but the remedy will probahly prove as good as any other.

5. Lastly, the sulphite, bisulphite, and hyposalphite of ammonia, are all very deliquescent, and of a pungent taste. They are easily changed into salphates,

ond can only he used externally.

All the salphites which can be administered internally may he given either in powder, mixed with sagar, and flavoured according to taste, or in edalcorated solutions. The sulphite of magnesic and the three salts of lime ore preferable for internal, the others for external use. The hyposulphites in general have been found to act most slowly, inasmuch as they must first pass into the state of sulphites. They are rupidly decomposed by vegetable acids, but not altered by occtic acid, whence Signor Polli concludes, that daring their use oll kinds of

fruit should he avoided, while vinegar may be allowed.

Hoving first tried these salts in animals, and having fonad that dogs can take as mach as two or three druebms n day without showing any symptoms of distarbed health, Professor Polli commenced a series of clinical experiments, which were imitated by a few other practitioners, in a great variety of eases which hardly odmit of classification. Although Signor Polli endeavours to make out that in oll these cases the efficoey of the salts is due to the antifermentative oction of the snlphnrous ocid they convey to the system, it remains still to be shown whether so many different discoses can fairly he ottributed to the old bughear of fermentation. But, leaving npart this dogmatical side of the question, I sholl simply enumerate the principal diseases in which the sulphites have hitherto heen given with saccess.

1. Eruptive fever, smallpox, seorlatina, and measles, especially their malig-

nant forms; erysipelas, zoster, acate pemphigus.

2. Chronic eruptions require the additional application of lotions or ointments, made of hyposalphite of sods. As an excellent prophylactic remedy against contagious diseases of the skin Signor Polli recommends the hyposulphites, especially that of soda, of which he gives from forty to sixty grains daily. He lays great stress on the singgishaess with which these salts undergo their chemical changes within the intestinal conal; ond his helief in their prophyloctic powers seems to be chiefly founded on this fact. But as nothing short of statistics can sove the reputation of a prophylactic, we must wait for farther experience before the value of these new remedies can he considered as fally established.

3. Ulcers .- Professor Polli excludes serofulons and syphilitic sores, but it appears that other practitioners have tried the salphites even in such coses, and not without sneeess. I cannot find n case of geanine primary chancre thus treated. Bat an old sore, which had resalted from the opening of n hnho, has most successfally heen treated by Dr. Galligo with lotions of sulphite of magnesio (1:20), the same remedy heing also prescribed for internal use.

4. Gastric and rheumatic fevers .- For the so-called fehris pitaitosa of children, Signor Polli knows no hetter remedy than the sulphite of magnesia.

5. Absorption of paruleut matter after surgical operations, nosocomial fever, puerperal fever, inflammation of the lymphatic vessels and glauds from cadaverous infection. In all these diseases the curative action of the salphites has been very striking, and has been further elucidated by a series of experiments on animals, which have led to important results. It was found that after a previous administration of sulphites, either given internally or injected into the veins, animals resisted the action of purulent and even patrid matter snhse-quently introduced into their system. When the latter was injected first, and salphates given internally or injected afterwards, the deleterious action of the poison could always he arrested, even when its first symptoms had already set in. The effects are probably modified according to the quantities of matter But if the facts jast mentioned should be confirmed by further expericace, these new remedies would have to be eousidered as most important additions to the therapeutical stock, especially of veterinary surgeous.

6. Acute rheumatism, miliary and typhoid fever, have also heen treated with

salphites; but Signor Polli speaks less confidently of these cases.
7. I have already mentioned that the sulphito of lime is recommended in palmonary consumption, on account of its supposed tendency to produce cientriza-

tion of vomicæ.

If, lastly, Professor Polli invites his medical hrethren to try his salphites also in cholera and intermittent fever, he evidently weakens his cause, although we may excuse excess of paternal partiality for a new-born remedy which hids fair to have a long and brilliant eareer, und which certainly deserves as much cou-

sideration as the podophylline and other children of fashion.

All sulphites used for therapeutical purposes should be prepared by the phurmaeist, as those hitherto met with in commerce are far from pure. Signor Polli found that a compound sold to him as salphito of potash contained salphate of potash, clay, and some other insolable matter; while a thing sold as sulphite of limo contained quicklime, earbonate and salphate of lime, chloride and salphuret of ealeiam, and some resinous matter. In order to avoid the possibility of mistakes, I will add that the salphites hero spoken of are represented by the formala $MO + SO_{2}$, the bisalphites by $MO + 2 SO_{2}$, and the hyposalphites by $MO + S_{2}O_{2}$, without any reference to the additional multiples of water.—Med. Times and Gazette, Jane 14, 1862.

11. Glycerole of Tar (Tnr Plasmn) .- A combination of glycerine and tar has heen used recently in skin affectious instead of the tar ointment of the Pharmacopocia. The advantages seem to he that the glycerine compound is more readily absorbed, and less difficult to remove by washing. Mr. Bnaur states that he has not heen able to find a formala for the preparation in question, ucither eau he learn that any published one exists, and would, therefore propose the following, as yielding an unexceptionable product. The strength is the same as that of the nuguentum pieis liquidum, P. L.: Price's glycerine, six oz. weight; tar, six oz. weight; powdered starch, two drachms. Warm the glyceriac, stinin the starch, add the tar, and raise the mixture rapidly to the boiling point. Strain through a cloth, if necessary, and stir while cooling. The mere mixture of glycerine and tar heated in a water-hath, gives on cooling a spongy mass, the pores of which are filled with glycerine; after stanuing some time, complete separation takes place. Tragacanth, neacin, soft soap, and many other things have been tried as substitutes for the starch, but none of them with so good result. Made according to the above formala, glycerole of tar is a dark brown mass, perfectly smooth, in consistence somewhat softer than the ciutment.— Dub. Med. Press, Sept. 10, 1862, from Pharm. Journ.